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**1 Measuring molecular flows with high-resolution stimulated Raman spectroscopy**

*She, C.; Fairbank, W.; Exton, R.;*  
Quantum Electronics, IEEE Journal of , Volume: 17 , Issue: 1 , Jan 1981  
Pages:2 - 4

[\[Abstract\]](#)   [\[PDF Full-Text \(1056 KB\)\]](#)   **IEEE JNL**

**2 A model of a bubbling fluidized bed combustor oriented to char mass estimation**

*Bittanti, S.; Bolzern, P.; Campi, M.C.; De Marco, A.; Poncia, G.; Prandoni, W.;*  
Control Systems Technology, IEEE Transactions on , Volume: 8 , Issue: 2 , Mar 2000  
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**3 A six-wafer combustion system for a silicon micro gas turbine engine**

*Mehra, A.; Xin Zhang; Ayon, A.A.; Waitz, I.A.; Schmidt, M.A.; Spadaccini, C. A.*  
Microelectromechanical Systems, Journal of , Volume: 9 , Issue: 4 , Dec. 2000  
Pages:517 - 527

[\[Abstract\]](#)   [\[PDF Full-Text \(480 KB\)\]](#)   **IEEE JNL**

**4 Self-tuning control of a nonlinear model of combustion instabilities**

*Krstic, M.; Krupadanam, A.; Jacobson, C.;*  
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**5 Microfabrication of high-temperature silicon devices using wafer bonding and deep reactive ion etching**

*Mehra, A.; Ayon, A.A.; Waitz, I.A.; Schmidt, M.A.;*  
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**6 Influence of radiation on grain heating in ETC closed chambers**

*Wren, G.P.; Oberle, W.F.; Hosangadi, A.;*  
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**7 Experimental characterization of plasma effects on energetic materials for electrothermal-chemical launch applications**

*Katulka, G.L.; White, K.J.; Oberle, W.F.; Kaste, P.; Pesce-Rodriguez, R.; Lead M.;*  
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**8 Analysis of the combustion driven linear generator for electric gun applications**

*Li, J.; Wang, Y.; Gao, M.;*  
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**9 Experimental investigation of the combustive sound source**

*Wilson, P.S.; Ellzey, J.L.; Muir, T.G.;*  
Oceanic Engineering, IEEE Journal of , Volume: 20 , Issue: 4 , Oct. 1995  
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**10 Bootstrap multiple tests applied to sensor location**

*Zoubir, A.M.; Bohme, J.F.;*  
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**11 US Army activities in multidimensional modeling of electrothermal-chemical guns**

*Wren, G.P.; Oberle, W.F.; Sinha, N.; Hosangadi, A.; Dash, S.M.;*  
Magnetics, IEEE Transactions on , Volume: 29 , Issue: 1 , Jan 1993

Pages:631 - 636

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**12 A pulse forming network and test fixture for screening electrotherm chemical candidate propellants**

*Chang, D.I.; Long, B.; Chiu, D.; King, R.; Hershkowitz, J.;*  
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*Laudenbach, A.; Glesner, M.;*  
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*Cortelezzi, L.; King, J.; Lobbia, R.; M'Closkey, R.T.; Karagozian, A.R.;*  
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*Triebel, W.; Grebner, D.; Muller, D.; Eigenbrod, C.; Konig, J.;*  
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**16 Impact of integrated vehicle health management (IVHM) technology on ground operations for reusable launch vehicles (RLVs) and spacecr**  
*Fox, J.J.; Glass, B.J.;*  
Aerospace Conference Proceedings, 2000 IEEE , Volume: 2 , 18-25 March 2000  
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**17 Active control of combustion instabilities via hybrid resetting controllers**  
*Haddad, W.M.; Chellabsina, V.; Kablar, N.A.;*  
American Control Conference, 2000. Proceedings of the 2000 , Volume: 4 , 28 June 2000  
Pages:2378 - 2382 vol.4

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**18 Predicting combined-cycle natural gas power plant emissions by using artificial neural networks**  
*Azid, I.A.; Ripin, Z.M.; Aris, M.S.; Ahmad, A.L.; Seetharamu, K.N.; Yusoff, R.I.*  
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Pages:512 - 517 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(344 KB\)\]](#) **IEEE CNF**

**19 Performance evaluation of a gas turbine cycle with a pulse combust system**  
*El-Gizawy, I.G.; Gadalla, M.A.;*  
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**20 Adaptive stabilization of nonlinear acoustic oscillations in combusti chambers**

*Krstic, M.; Krupadanam, A.; Jacobson, C.A.;*

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**21 Background and prediction of correct full-scale reproduction in wind tunnels as concerns gas dynamic parameters of hypervelocity atmospheric flights and scramjet combustion chamber conditions**

*Alfyorov, V.I.; Dmitriyev, L.M.; Yegorov, B.V.; Markachev, Yu.Ye.; Rudakova, I.* Instrumentation in Aerospace Simulation Facilities, 1997. ICIASF '97., Record International Congress on , 29 Sept.-2 Oct. 1997

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**22 Methods and instrumentation for the investigation of nonstationary processes in liquid-propellant rocket engines**

*Karpov, A.A.;*

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**23 A temperature tomographic sensor for combustion analysis**

*Correia, D.P.; Caldeira-Pires, A.; Ferrao, P.; Heitor, M.V.;*

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**24 Experimental characterisation of flows in the model of a strongly swirling combustor**

*Pasini, S.; Coghe, A.; Ghezzi, U.; Solero, G.;*

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**25 An external combustion, open-diesel cycle heat engine**

*Harris, W.D.;*

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**26 Identification of time-varying non-linear systems with application to knock detection in combustion engines**

*Boland, M.D.; Zoubir, A.M.;*

TENCON '97. IEEE Region 10 Annual Conference. Speech and Image Technology for Computing and Telecommunications', Proceedings of IEEE , Volume: 2 , 2 Dec. 1997

Pages:799 - 802 vol.2

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**27 State space modeling and robust reduced-order control of combustion instabilities**

*Haddad, W.M.; Leonessa, A.; Corrado, J.R.; Kapila, V.;*

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**28 A procedure for real-time mode decomposition, observation, and prediction for active control of combustion instabilities**

*Neumeier, Y.; Markopoulos, N.; Zinn, B.T.;*

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**29 Self-tuning control of a nonlinear model of combustion instabilities**

*Krstic, M.; Krupadanam, A.; Jacobson, C.A.;*

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**30 Combustion chamber modelling oriented to nitrogen oxides pollution abatement**

*De Marco, A.; Foletti, D.; Graziadio, M.; Gruppo, F.; Poncia, G.;*

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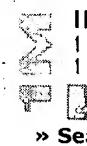
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**31 Robust reduced-order control of combustion instabilities**

*Haddad, W.M.; Leonessa, A.; Corrado, J.R.; Kapila, V.;*  
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**32 Current measuring in a new ignition system**

*Metzler, P.; Weiss, P.; Plaksin, E.;*  
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**33 Externally heated valve engine an-alternative to the Stirling engine**

*Kazimierski, Z.; Brzeski, L.;*  
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[\[Abstract\]](#) [\[PDF Full-Text \(396 KB\)\]](#) **IEEE CNF**

**34 40 kW Stirling engine for solid fuel**

*Carlsen, H.; Ammundsen, N.; Traerup, J.;*  
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**35 Modelling and simulation of energy conversion in combined gas-steam power plant integrated with coal gasification**

Zaporowski, B.;

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**36 Use of SP-100 thermometry technology to improve operation of electrical power plants**

Shepard, R.L.; Weiss, J.M.;

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**37 Application of the three phase AC plasma generator for drug destruction**

Polovtsev, I.S.;

Plasma Science, 1996. IEEE Conference Record - Abstracts., 1996 IEEE International Conference on, 3-5 June 1996  
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**38 Application of time-frequency analysis for optimum non-equidistant sampling of automotive signals captured at knock**

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**39 Detection of knocking for spark ignition engines based on structural vibrations**

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**40 Improved knock detection by time variant filtered structure-borne sound**

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**41 End-gas temperature measurements in a DOHC spark-ignition engine using CARS**

*Inyong Choi; Kwang Min Chun; Chul-Woung Park; Jae Won Hahn;*  
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[\[Abstract\]](#) [\[PDF Full-Text \(112 KB\)\]](#) [IEEE CNF](#)

---

**42 Fuel and OH radical distribution measurements in a SI engine using planar laser induced fluorescence**

*Seung-Mook Oh; Dong-Seob Ko; Jung-Jae Lee;*  
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[\[Abstract\]](#) [\[PDF Full-Text \(136 KB\)\]](#) [IEEE CNF](#)

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**43 LIF imaging of species and temperature in technical combustion at elevated pressures**

*Meier, U.E.; Wolff-Gassmann, D.; Heinze, J.; Frodermann, M.; Magnusson, I.; Josefsson, G.;*  
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---

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**44 Phosphor thermometry for high temperature gas turbine applications**

*Feist, J.P.; Heyes, A.L.; Choy, K.L.; Su, B.;*  
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Pages:6/1 - 6/7

---

[\[Abstract\]](#) [\[PDF Full-Text \(712 KB\)\]](#) [IEEE CNF](#)

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**45 Special probes for measurements of flow parameters in a gas-turbine engine**

*Romicki, Z.M.; Zurkowski, S.;*  
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Pages:5/1 - 5/9

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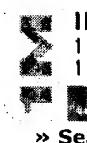
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**46 A comparative study of planar Mie and Rayleigh scattering for supersonic flowfield diagnostics**

*Brummund, U.; Mesnier, B.;*

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[Abstract] [PDF Full-Text (692 KB)] IEEE CNF

**47 Nitrogen oxides emission modelling in conventional combustion chambers**

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[Abstract] [PDF Full-Text (460 KB)] IEEE CNF

**48 Nonlinear control of a reusable rocket engine for life extension**

*Lorenzo, C.F.; Holmes, M.S.; Ray, A.;*

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[Abstract] [PDF Full-Text (444 KB)] IEEE CNF

**49 Measurement of the cylinder pressure in combustion engines with piezoresistive  $\beta$ -SiC-on-SOI pressure sensor**

*von Berg, J.; Ziermann, R.; Reichert, W.; Obermeier, E.; Eickhoff, M.; Krotz, T.; Thoma, U.; Cavalloni, C.; Nendza, J.P.;*

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**50 Active control in combustion systems with vortices**

*Gutmark, E.J.; Parr, T.P.; Wilson, K.J.; Schadow, K.C.;*  
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**51 A mathematical model and experimental investigation on increasing starting altitude of turbine engine**

*Ni Xing-Qiang; Lin Wen;*  
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---

**52 Parametric inversion: application to measurement of temperature in combustion chamber**

*Sandu, L.; Oksman, J.;*  
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Pages:354 - 357 vol.1

[Abstract] [PDF Full-Text (284 KB)] IEEE CNF

---

**53 A comparative study of multiple tests based techniques for optimal sensor location for knock detection**

*Zoubir, A.M.;*  
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Pages:2951 - 2954 vol.5

[Abstract] [PDF Full-Text (400 KB)] IEEE CNF

---

**54 Development of a TPV converter for co-generation of electricity and heat from combustion of wood powder**

*Broman, L.; Marks, J.;*  
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**55 Modelling of the long term dynamic performance of a gas turbo generator set**

*Nern, H.-J.; Kreshman, H.; Fischer, F.; Nour Eldin, H.A.;*  
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*Samimy, B.; Rizzoni, G.;*  
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**58 A control system with the computer used on 35t/h fluidized bed utility boiler**

*Ding Weiming; Zhou Peigun; Lu Minning; Yao Chunli;*  
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**59 Inverse engineering: A methodology for learning models to support engineering design**

*Rao, R.B.; Lu, S.C.-Y.;*  
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**60 Instabilities in the near wake of a rod with an anchored flame**

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#### 61 Signal enhancement for diagnostic signal analysis [rocket engines]

*Griffin, M.F.; Tulpule, S.; Finn, A.M.;*  
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#### 62 A connectionist classifier architecture applied to image segmentation

*Blanz, W.E.; Gish, S.L.;*  
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#### 63 Design and testing of a heat pipe gas combustion system for the ST120 Stirling engine

*Khalili, K.; Godett, T.M.; Meijer, R.J.; Verhey, R.P.;*  
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#### 64 New concept, hermetically sealed 4-cylinder, double-acting Stirling engine

*Carlqvist, S.G.; Gothberg, Y.;*  
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**65 Controlling the rocket engine performance variability via probabilistic parameter analysis**

*Lin, C.-W.;*

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*Waterfall, R.C.;*

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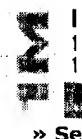
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**1 Microwave-induced auditory effect in a dielectric sphere**

*Uzunoglu, N.K.; Polychronopoulos, S.I.;*  
 Microwave Theory and Techniques, IEEE Transactions on , Volume: 36 , Issue 10 , Oct. 1988  
 Pages:1418 - 1425

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**2 Array processing estimation of non-linearly superimposed acoustic waves**

*Pinero, G.; Vergara, L.;*  
 Sensor Array and Multichannel Signal Processing Workshop. 2000. Proceeding the 2000 IEEE , 16-17 March 2000  
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[\[Abstract\]](#) [\[PDF Full-Text \(384 KB\)\]](#) **IEEE CNF**

**3 Array processing estimation of sound velocity for non-linearly superimposed acoustic waves**

*Pinero, G.; Bergara, L.;*  
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 Pages:3566 - 3569 vol.6

[\[Abstract\]](#) [\[PDF Full-Text \(328 KB\)\]](#) **IEEE CNF**

**4 Comparison between PWP method using piezo-electric transducer a PEA method**

*Takada, T.; Satoh, Y.; Tanaka, Y.;*  
 Electrets, 1996. (ISE 9), 9th International Symposium on , 25-30 Sept. 1996

Pages:355 - 360

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**5 A methodology for studying telephone amplitude distortion effects on narrowband speech processors**

*Markel, J.; Davis, S.; Applebaum, T.*

Acoustics, Speech, and Signal Processing, IEEE International Conference on ICASSP '79. , Volume: 4 , Apr 1979

Pages:449 - 452

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**6 Vocal tract area function measurements: Two time-domain methods**

*Desccut, R.; Tousignant, B.; Lecours, M.*

Acoustics, Speech, and Signal Processing, IEEE International Conference on ICASSP '76. , Volume: 1 , Apr 1976

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**7 Acoustic pressure effects on wave growth studies in wind-wave fac**

*Latif, M.; Shemdin, O.*

OCEANS , Volume: 7 , Sep 1975

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**8 Use of psychological data in building ASA models**

*Bregman, A.S.*

Applications of Signal Processing to Audio and Acoustics, 1995., IEEE ASSP Workshop on , 15-18 Oct. 1995

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**9 Space charge measurements in power cables using a modified PEA system**

*Fu, M.; Chen, G.; Davies, A.E.; Head, J.G.*

Dielectric Materials, Measurements and Applications, 2000. Eighth International Conference on (IEE Conf. Publ. No. 473) , 17-21 Sept. 2000

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**10 Directional sensitivity of a fibre-optic sensor to acoustic signals in transformer oil**

*Zhao, Z.Q.; MacAlpine, J.M.K.; Demokan, M.S.*

Advances in Power System Control, Operation and Management, 1997. APSCC 97. Fourth International Conference on (Conf. Publ. No. 450) , Volume: 2 , 11 Nov. 1997

Pages:521 - 525 vol.2

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**11 Pulsed electroacoustic techniques to characterize charge accumulation properties**

Takada, T.; Li, Y.;

Dielectric Materials, Measurements and Applications, 1992., Sixth International Conference on , 7-10 Sep 1992

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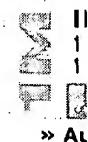
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## Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

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- By Author
- Basic
- Advanced
- CrossRef

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**Next 13**

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